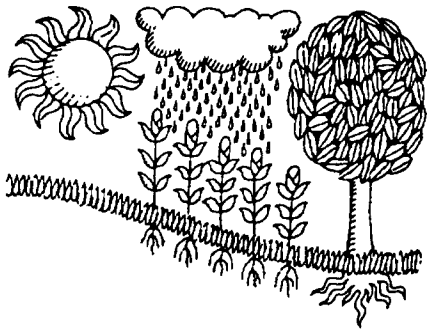

WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration, National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service and World Agricultural Outlook Board

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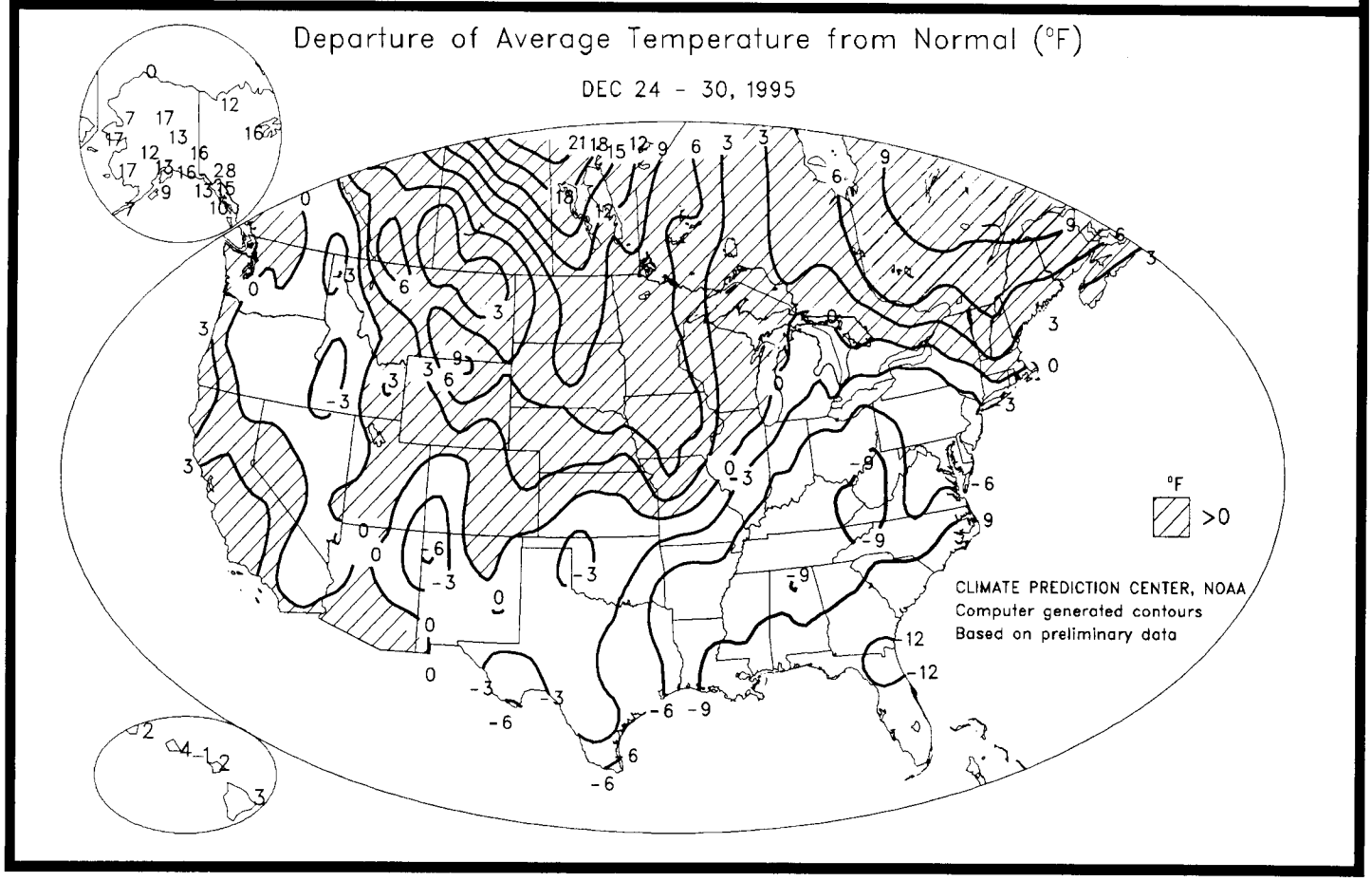

HIGHLIGHTS

December 24 - 30, 1995

A quiet weather pattern--featuring a narrow temperature range across the Nation and a split jet stream--broke down at week's end, allowing the return of precipitation to the **Northwest** and the onset of heavy snow in the **Rockies**. Farther east, **Florida** experienced an early-week freeze and weekly temperatures up to 12°F below normal. In contrast, departures averaged more than 10°F above normal across parts of the **northern Plains**.

Early in the week, snow showers remained active in **New England** and downwind of the **Great Lakes**, while high pressure settled across the **Gulf Coast States**. In **Burlington, VT**, measurable snow fell on 22 days during December (totaling 44.0 inches), tying the record set in

(Continued on back cover)

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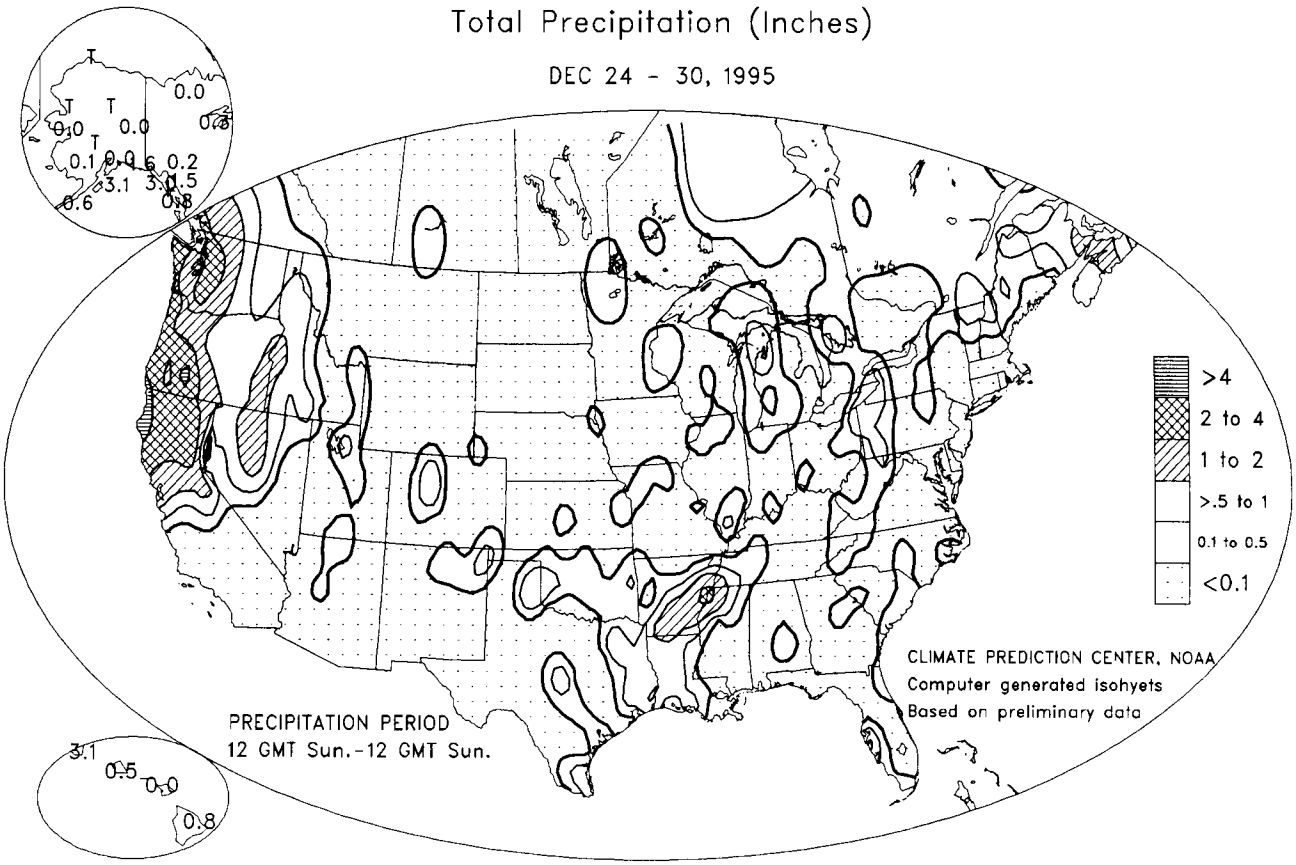
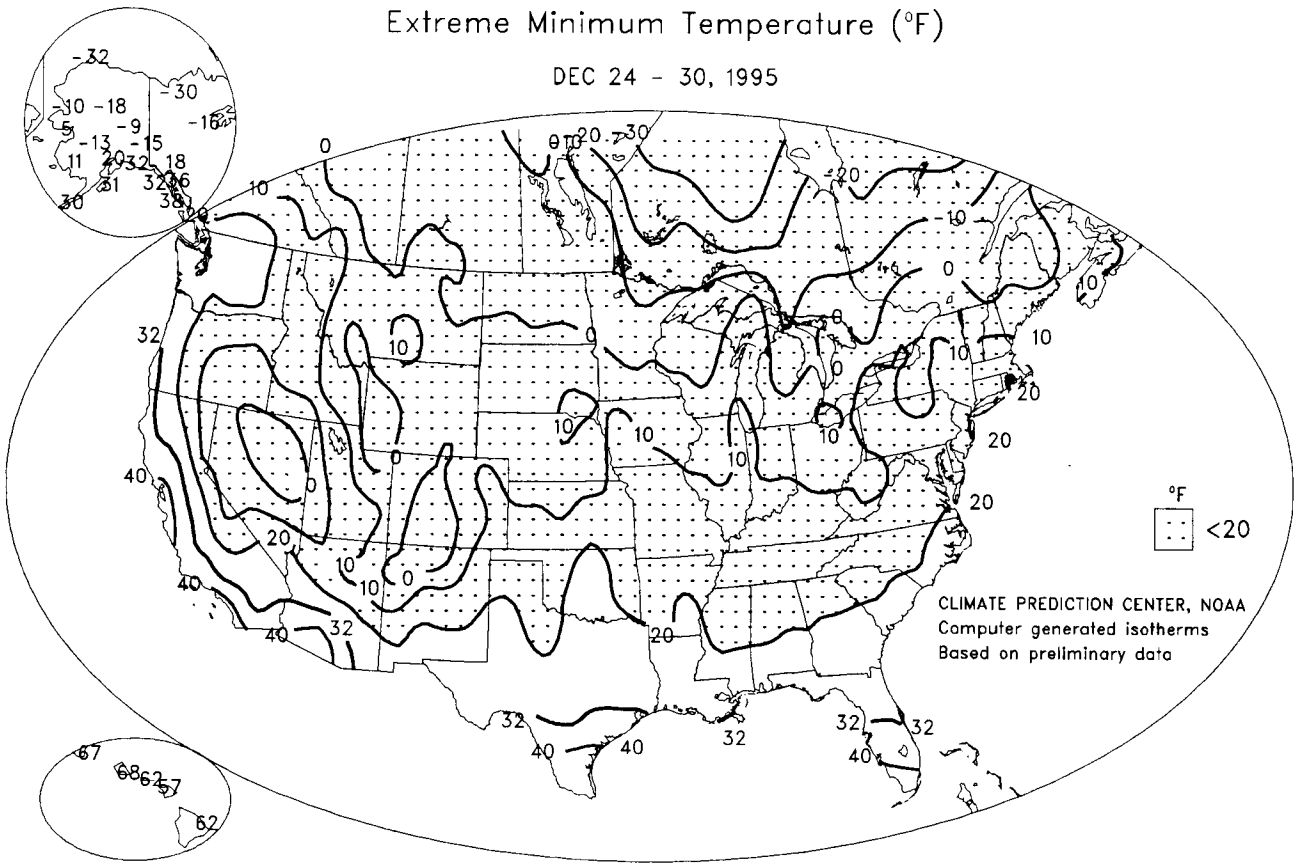

Total Precipitation (Inches)
DEC 24 - 30, 1995
>4
2 to 4
1 to 2
>.5 to 1
0.1 to 0.5
<0.1
CLIMATE PREDICTION CENTER, NOAA
Computer generated isohyets
Based on preliminary data
PRECIPITATION PERIOD
12 GMT Sun.-12 GMT Sun.


Extreme Minimum Temperature (°F)
DEC 24 - 30, 1995
°F
<20
CLIMATE PREDICTION CENTER, NOAA
Computer generated isotherms
Based on preliminary data

National Weather Data for Selected Cities

Weather Data for the Week Ending December 30, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	47	22	58	17	34	-9	0.00	-1.19	0.00	3.61	73	54.67	100	78	39	0	7	0	0
MOBILE	52	27	61	23	39	-12	0.00	-1.20	0.00	7.88	154	79.33	124	87	39	0	6	0	0
MONTGOMERY	49	23	59	20	36	-10	0.00	-1.20	0.00	6.77	136	45.45	83	79	37	0	7	0	0
AK ANCHORAGE	33	24	43	20	29	13	0.00	-0.25	0.00	0.09	8	13.77	87	86	75	0	7	0	0
BARROW	-7	-19	8	-32	-13	0	0.03	-0.00	0.03	0.06	50	3.20	74	81	74	0	7	1	0
FAIRBANKS	14	-6	22	-9	4	13	0.00	-0.17	0.00	0.07	9	8.88	82	91	83	0	7	0	0
JUNEAU	42	38	46	36	40	15	1.64	0.62	0.72	4.06	95	--	--	98	89	0	0	5	1
KODIAK	41	38	42	31	39	9	3.11	1.48	1.08	11.39	173	94.81	141	98	88	0	1	6	3
NOME	28	17	35	5	23	17	0.00	-0.19	0.00	0.33	40	15.14	102	73	60	0	7	0	0
AZ PHOENIX	65	44	69	40	55	2	0.00	-0.22	0.00	0.00	0	9.40	123	52	24	0	0	0	0
PRESCOTT	52	23	56	18	38	2	0.03	-0.33	0.03	0.17	11	11.50	59	76	51	0	7	1	0
TUCSON	64	38	69	33	51	0	0.00	-0.25	0.00	0.22	21	11.19	93	66	23	0	0	0	0
YUMA	67	44	71	39	55	0	0.00	-0.11	0.00	0.02	5	3.26	103	57	30	0	0	0	0
AR FORT SMITH	42	23	47	18	32	-5	0.25	-0.33	0.25	4.15	140	39.47	97	94	53	0	7	1	0
LITTLE ROCK	--	--	--	--	--	--	1.21	0.27	--	3.85	85	36.89	75	--	--	-	-	-	-
CA BAKERSFIELD	61	40	67	34	51	4	0.14	0.00	0.10	1.80	305	9.65	170	86	50	0	0	2	0
EUREKA	60	44	66	35	52	4	3.83	2.51	2.56	11.64	199	51.36	137	91	54	0	0	4	2
FRESNO	57	39	61	33	48	4	0.27	-0.08	0.27	1.79	131	16.96	162	95	35	0	0	1	0
LOS ANGELES	68	48	74	45	58	2	0.00	-0.40	0.00	2.11	133	23.25	195	74	28	0	0	0	0
REDDING	53	35	61	28	44	0	1.76	0.48	1.21	10.79	203	57.69	174	97	64	0	3	3	1
SACRAMENTO	56	41	60	35	49	5	0.58	-0.04	0.54	5.14	212	28.97	166	97	63	0	0	2	1
SAN DIEGO	66	48	70	45	57	0	0.00	-0.36	0.00	0.88	57	17.03	172	76	33	0	0	0	0
SAN FRANCISCO	59	47	61	41	53	4	0.69	-0.08	0.67	6.41	216	27.44	141	92	62	0	0	3	1
CO DENVER	46	18	50	13	32	3	0.00	-0.14	0.00	0.04	6	18.27	119	64	24	0	7	0	0
GRAND JUNCTION	40	14	42	10	27	-1	0.06	-0.08	0.06	0.41	62	10.05	97	80	32	0	7	1	0
PUEBLO	49	6	56	0	27	-2	0.00	-0.08	0.00	0.00	0	15.40	138	81	23	0	7	0	0
CT BRIDGEPORT	35	22	39	19	29	-3	0.00	-0.76	0.00	2.02	60	33.12	80	77	50	0	7	0	0
HARTFORD	35	21	40	16	28	2	0.00	-0.85	0.00	2.29	60	40.91	93	79	51	0	7	0	0
DC WASHINGTON	39	27	48	23	33	-4	0.00	-0.69	0.00	2.13	71	39.72	103	68	45	0	7	0	0
FL PANAMA CITY	50	33	55	29	42	-10	0.00	-1.11	0.00	0.98	22	48.05	74	83	43	0	4	0	0
DAYTONA BEACH	57	38	70	29	48	-11	0.07	-0.51	0.07	1.44	58	51.80	108	88	46	0	4	1	0
JACKSONVILLE	53	32	60	25	42	-14	0.03	-0.66	0.03	1.84	66	49.82	101	88	50	0	4	1	0
KEY WEST	65	56	74	51	61	-10	0.44	-0.00	0.38	1.41	72	37.15	94	86	67	0	0	2	0
MIAMI	66	50	80	40	58	-10	0.01	-0.40	0.01	0.76	42	79.37	142	81	47	0	0	1	0
ORLANDO	60	40	78	32	50	-11	0.03	-0.45	0.03	0.49	23	43.17	90	84	47	0	1	1	0
TALLAHASSEE	52	28	56	21	40	-12	0.10	-1.06	0.10	3.55	73	52.19	80	82	39	0	6	1	0
TAMPA	60	42	74	33	51	-10	0.03	-0.46	0.03	0.15	7	53.22	121	84	47	0	0	1	0
WEST PALM BEACH	64	46	78	35	55	-12	0.32	-0.18	0.32	1.56	71	63.92	108	84	48	0	0	1	0
GA ATLANTA	44	24	53	21	34	-8	0.00	-1.02	0.00	3.16	75	52.35	103	73	43	0	7	0	0
AUGUSTA	49	22	60	19	36	-9	0.07	-0.77	0.07	4.28	130	50.27	113	87	41	0	7	1	0
MACON	50	24	62	19	37	-10	0.03	-1.02	0.03	2.36	57	41.00	92	89	40	0	7	1	0
SAVANNAH	51	29	66	25	40	-9	0.30	-0.44	0.30	0.89	31	51.12	104	78	36	0	6	1	0
HI HILO	83	66	86	62	74	2	0.78	-1.68	0.64	4.23	36	84.98	66	86	59	0	0	2	1
HONOLULU	85	70	87	68	78	4	0.52	-0.36	0.52	0.66	18	12.53	57	85	55	0	0	1	1
KAHULUI	85	63	87	57	74	2	0.00	-0.81	0.00	0.74	23	11.67	56	87	53	0	0	0	0
LIHUE	80	69	83	67	75	2	3.06	1.86	1.21	4.67	94	42.38	99	90	68	0	0	4	3
ID BOISE	28	21	39	14	25	-3	0.74	0.44	0.44	2.14	163	14.01	117	95	86	0	7	2	0
LEWISTON	33	27	43	24	30	-3	0.36	0.08	0.20	1.15	97	16.84	135	94	77	0	6	2	0
POCATELLO	35	15	41	7	25	2	0.33	0.08	0.33	1.89	178	16.00	133	89	54	0	7	1	0
IL CHICAGO	32	17	36	12	24	1	0.09	-0.39	0.05	0.57	24	32.84	92	88	57	0	7	4	0
MOLINE	33	16	37	7	25	3	0.18	-0.28	0.18	0.47	22	34.29	88	87	58	0	7	1	0
PEORIA	33	16	38	11	25	1	0.07	-0.42	0.07	0.31	13	33.67	93	91	59	0	7	1	0
QUINCY	34	21	41	10	27	2	0.03	-0.43	0.03	0.22	10	32.32	82	86	59	0	7	1	0
ROCKFORD	29	14	35	7	21	1	0.10	-0.30	0.10	0.39	19	33.03	91	92	62	0	7	1	0
SPRINGFIELD	32	17	36	6	24	-2	0.00	-0.56	0.00	1.33	50	31.48	89	88	65	0	7	0	0
IN EVANSVILLE	36	20	45	17	28	-6	0.00	-0.78	0.00	3.11	85	46.30	101	88	62	0	7	0	0
FORT WAYNE	27	11	34	5	19	-6	0.16	-0.44	0.09	1.20	43	31.67	91	92	72	0	7	2	0
INDIANAPOLIS	31	13	36	6	22	-6	0.06	-0.64	0.03	2.63	81	35.35	89	93	69	0	7	2	0
SOUTH BEND	29	15	34	7	22	-4	0.63	-0.06	0.35	1.76	55	41.69	107	89	67	0	7	4	0
IA DES MOINES	32	20	39	8	26	5	0.02	-0.26	0.02	0.03	2	31.69	93	86	69	0	7	1	0
SIOUX CITY	33	14	39	5	24	5	0.17	0.01	0.17	0.29	38	24.29	94	89	70	0	7	1	0
WATERLOO	32	17	36	2	24	8	0.00	-0.25	0.00	0.14	11	29.47	88	90	54	0	7	0	0
KS CONCORDIA	34	21	46	12	28	1	0.01	-0.16	0.01	0.26	32	27.29	95	90	70	0	7	1	0
DODGE CITY	39	18	52	13	29	-2	0.10	-0.04	0.10	0.58	91	19.39	90	84	59	0	7	1	0
GOODLAND	46	14	54	9	30	2	0.00	-0.08	0.00	0.00	0	20.68	114	79	35	0	7	0	0
TOPEKA	35	21	46	11	28	0	0.01	-0.27	0.01	0.63	45	36.46	104	89	67	0	7	1	0
WICHITA	35	21	46	13	28	-3	0.03	-0.23	0.03	0.63	47	34.44	99	90	63	0	7	1	0
KY BOWLING GREEN	38	20	51	18	29	-6	0.00	-1.08	0.00	2.03	42	40.15	79	85	56	0	7	0	0
LEXINGTON	33	17	48	13	25	-8	0.07	-0.78	0.04	2.39	62	49.76	112	87	58	0	7	2	0
LOUISVILLE	35	21	49	17	28	-6	0.00	-0.77	0.00	3.02	85	41.93	95	86	58	0	7	0	0
LA BATON ROUGE	53	29	64	25	41	-10	0.00	-1.26	0.00	5.06	95	73.02	120	92	43	0	7	0	0
LAKE CHARLES	55	34	63	28	44	-7	0.13	-1.02	0.13	6.39	131	65.31	119	89	46	0	3	1	0
NEW ORLEANS	53	34	65	30	44	-9	0.00	-1.30	0.00	3.63	65	64.16	104	78	43	0	2	0	0
SHREVEPORT	51	27	56	21	39	-7	0.40	-0.68	0.40	5.18	111	44.00	89	85	42	0	6	1	0

Based on 1961-90 normals.

Weather Data for the Week Ending December 30, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	25	16	35	-7	21	10	0.39	-0.28	0.19	1.80	58	34.51	95	89	74	0	7	3	0
PORTLAND	34	15	37	5	25	2	0.13	-0.81	0.13	4.15	94	41.43	94	88	54	0	7	1	0
MD BALTIMORE	38	25	49	21	32	-2	0.00	-0.75	0.00	2.59	79	36.89	91	75	45	0	7	0	0
SALISBURY	40	24	51	15	32	-5	0.00	-0.85	0.00	2.46	69	31.34	69	79	41	0	7	0	0
MA BOSTON	37	27	40	25	32	2	0.02	-0.85	0.01	4.09	105	35.93	87	75	49	0	7	2	0
CHATHAM	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-	-	-	-
MI ALPENA	26	11	32	-5	19	-2	0.09	-0.34	0.05	1.22	62	24.37	85	88	68	0	7	2	0
DETROIT	29	16	34	9	23	-2	0.08	-0.50	0.04	0.71	26	28.88	89	87	61	0	7	2	0
FLINT	27	12	36	-1	19	-4	0.05	-0.37	0.02	0.64	31	25.68	85	92	67	0	7	3	0
GRAND RAPIDS	28	16	33	3	22	-2	0.05	-0.52	0.02	0.93	34	34.66	96	90	68	0	7	3	0
HOUGHTON LAKE	27	11	34	-10	19	0	0.08	-0.33	0.04	1.44	76	30.95	110	88	70	0	7	3	0
LANSING	28	12	34	-3	20	-3	0.06	-0.35	0.04	1.61	81	25.66	82	93	67	0	7	2	0
MARQUETTE	23	7	28	-1	15	1	0.50	-0.06	0.22	2.42	96	38.89	110	87	74	0	7	5	0
MUSKEGON	29	20	32	0	24	-2	0.23	-0.42	0.12	1.74	59	29.39	90	89	65	0	7	3	0
SAULT ST. MARIE	24	7	29	-13	15	0	0.16	-0.45	0.12	6.11	218	45.74	134	90	69	0	7	4	0
MN ALEXANDRIA	23	9	28	-2	16	7	0.00	-0.17	0.00	0.72	106	27.24	107	93	78	0	7	0	0
DULUTH	21	8	28	-2	15	6	0.06	-0.22	0.03	1.47	120	34.26	114	88	67	0	7	3	0
INT'L FALLS	20	2	26	-15	11	8	0.05	-0.14	0.03	1.22	147	24.36	100	90	75	0	7	2	0
MINNEAPOLIS	28	16	32	6	22	8	0.06	-0.16	0.04	1.14	110	25.71	91	87	66	0	7	2	0
ROCHESTER	26	13	32	0	19	6	0.08	-0.12	0.08	0.62	62	26.43	89	92	74	0	7	1	0
MS GREENWOOD	47	25	58	19	36	-8	0.00	-1.30	0.00	3.95	69	38.85	72	89	40	0	7	0	0
JACKSON	49	24	62	18	37	-8	0.04	-1.39	0.04	3.87	64	58.97	108	85	40	0	7	1	0
MERIDIAN	50	23	60	20	36	-10	0.00	-1.37	0.00	2.91	49	53.57	95	92	39	0	7	0	0
MO CAPE GIRARDEAU	36	20	40	16	28	-5	0.00	-0.92	0.00	3.64	85	39.41	85	90	59	0	7	0	0
COLUMBIA	34	23	41	16	29	1	0.00	-0.52	0.00	1.60	62	48.10	125	84	64	0	7	0	0
KANSAS CITY	35	22	44	17	29	1	0.03	-0.30	0.03	0.35	23	34.50	92	87	62	0	7	1	0
SAINT LOUIS	35	24	41	17	30	-1	0.10	-0.50	0.10	2.84	96	41.71	111	82	61	0	7	1	0
SPRINGFIELD	35	22	43	13	29	-3	0.17	-0.33	0.17	2.50	95	41.76	96	89	64	0	7	1	0
MT BILLINGS	44	23	48	19	33	10	0.00	-0.19	0.00	0.26	35	15.73	104	65	31	0	7	0	0
GLASGOW	16	-3	25	-10	7	-5	0.00	-0.08	0.00	0.38	108	13.14	120	92	80	0	7	0	0
GREAT FALLS	45	24	49	14	35	13	0.00	-0.20	0.00	0.06	7	14.19	94	61	29	0	7	0	0
HAVRE	25	0	35	-12	13	-2	0.00	-0.14	0.00	0.23	44	16.05	144	89	74	0	7	0	0
HELENA	30	5	37	-1	18	-2	0.00	-0.14	0.00	0.27	47	11.50	99	87	72	0	7	0	0
KALISPELL	25	21	31	17	23	2	0.13	-0.26	0.13	1.59	96	20.80	127	86	77	0	7	1	0
MILES CITY	35	9	41	-1	22	6	0.00	-0.14	0.00	0.15	25	12.30	88	94	59	0	7	0	0
MISSOULA	25	17	33	11	21	-1	0.17	-0.11	0.17	1.56	141	16.17	120	89	75	0	7	1	0
NE GRAND ISLAND	33	20	47	10	27	4	0.02	-0.12	0.02	0.26	37	23.92	96	91	70	0	7	1	0
LINCOLN	34	17	44	5	25	3	0.03	-0.14	0.03	0.21	24	23.61	84	92	66	0	7	1	0
NORFOLK	33	19	41	10	26	6	0.07	-0.07	0.07	0.47	65	33.37	133	88	70	0	7	1	0
NORTH PLATTE	43	11	53	8	27	5	0.00	-0.09	0.00	0.02	4	17.34	90	94	49	0	7	0	0
OMAHA	33	19	41	11	26	4	0.03	-0.17	--	0.54	55	27.85	93	97	65	0	7	-	-
SCOTTSBLUFF	44	13	47	7	28	4	0.00	-0.11	0.00	0.49	88	17.11	112	84	37	0	7	0	0
VALENTINE	42	14	51	7	28	5	0.00	-0.10	0.00	0.01	2	24.89	111	86	47	0	7	0	0
NV ELY	36	5	45	-9	21	-3	0.09	-0.08	0.09	0.42	59	12.20	119	84	50	0	7	1	0
LAS VEGAS	56	31	59	27	44	0	0.00	-0.08	0.00	0.01	3	3.67	90	46	18	0	5	0	0
RENO	45	22	61	10	33	2	0.00	-0.22	0.00	2.23	237	12.68	170	89	54	0	6	0	0
WINNEMUCCA	41	13	51	-3	27	-2	1.07	0.88	0.51	1.65	192	9.86	120	89	46	0	6	3	1
NH CONCORD	32	17	36	13	25	4	0.00	-0.65	0.00	1.81	59	38.35	106	80	55	0	7	0	0
NJ ATLANTIC CITY	37	22	46	17	29	-4	0.00	-0.74	0.00	1.50	47	35.67	89	73	46	0	7	0	0
NM ALBUQUERQUE	45	21	47	16	33	-1	0.03	-0.08	0.03	0.12	26	5.61	64	67	27	0	7	1	0
CLOVIS	50	24	55	21	37	1	0.00	-0.11	0.00	0.20	38	10.11	58	71	28	0	6	0	0
ROSWELL	55	25	62	20	40	1	--	--	--	--	--	--	--	76	30	0	7	-	-
NY ALBANY	29	19	35	15	24	1	0.00	-0.62	0.00	1.40	49	34.08	94	77	63	0	7	0	0
BINGHAMTON	23	15	28	11	19	-4	0.05	-0.58	0.02	1.00	34	33.22	90	94	71	0	7	3	0
BUFFALO	27	18	32	11	22	-4	0.48	-0.29	0.35	2.51	70	33.65	87	87	72	0	7	3	0
NEW YORK	38	28	43	24	33	-1	0.00	-0.73	0.00	2.10	64	34.95	83	63	48	0	7	0	0
ROCHESTER	28	18	32	13	23	-3	0.16	-0.41	0.08	1.56	59	30.11	94	88	68	0	7	5	0
SYRACUSE	27	19	32	14	23	-2	0.17	-0.48	0.08	1.91	61	31.56	81	91	74	0	7	4	0
NC ASHEVILLE	38	20	52	17	29	-9	0.00	-0.98	0.00	1.45	34	55.41	99	78	45	0	7	0	0
CHARLOTTE	44	22	53	19	33	-7	0.02	-0.78	0.02	1.12	33	48.09	112	76	35	0	7	1	0
GREENSBORO	41	19	53	17	30	-8	0.02	-0.75	0.02	1.33	41	41.35	97	73	38	0	7	1	0
HATTERAS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-	-	-	-
NEW BERN	47	23	60	21	35	-10	0.00	-0.89	0.00	1.25	35	30.83	57	82	33	0	7	0	0
RALEIGH	44	22	56	18	33	-7	0.00	-0.75	0.00	1.69	54	48.46	117	77	37	0	7	0	0
WILMINGTON	47	23	58	20	35	-10	0.00	-0.99	0.00	2.05	52	65.07	114	88	33	0	7	0	0
ND BISMARCK	26	12	32	-3	19	9	0.00	-0.11	0.00	0.39	83	18.70	121	96	78	0	7	0	0
FARGO	22	7	31	-4	15	7	0.00	-0.16	0.00	0.49	80	21.32	110	91	78	0	7	0	0
GRAND FORKS	21	7	31	-5	14	8	0.00	-0.17	0.00	0.77	124	26.12	143	92	73	0	7	0	0
WILLISTON	23	2	28	-5	13	2	0.00	-0.14	0.00	0.65	114	14.93	109	90	74	0	7	0	0
OH AKRON-CANTON	24	12	30	7	18	-9	0.05	-0.57	0.02	0.86	30	34.52	94	92	75	0	7	3	0
CINCINNATI	31	14	43	11	23	-8	0.00	-0.67	0.00	3.16	103	43.35	105	90	62	0	7	0	0
CLEVELAND	27	16	36	11	22	-6	0.18	-0.45	0.18	1.39	46	39.34	108	98	76	0	7	1	0
COLUMBUS	29	15	37	7	22	-5	0.12	-0.49	0.11	1.75	60	45.11	120	87	63	0	7	2	0
DAYTON	27	13	38	6	20	-9	0.01	-0.60	0.01	1.02	36	51.08	140	97	75	0	7	1	0

Based on 1961-90 normals.

Weather Data for the Week Ending December 30, 1995

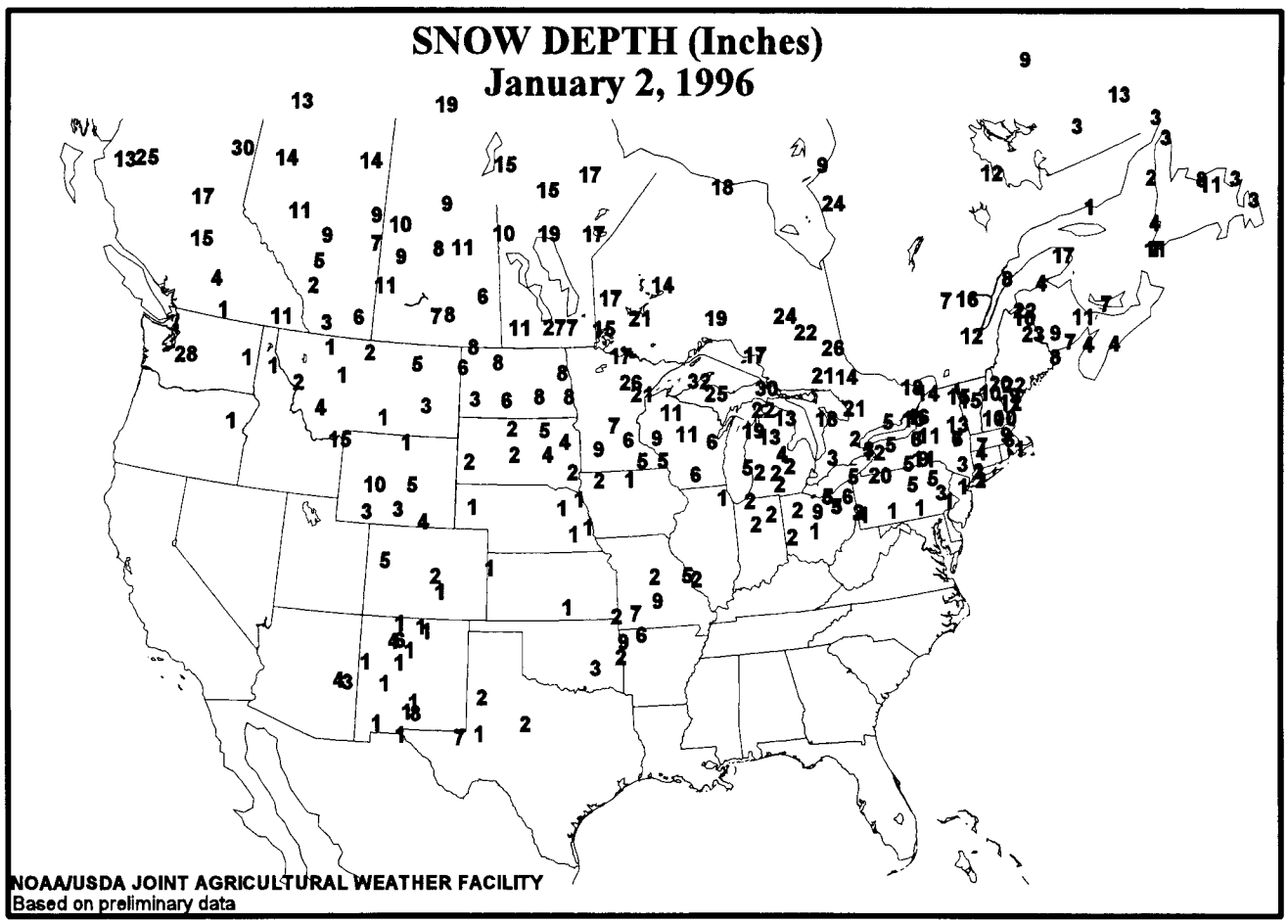
STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMP. °F		PRECIP.	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	27	14	32	8	21	-4	0.00	-0.60	0.00	0.61	21	31.46	96	93	71	0	7	0	0
YOUNGSTOWN	25	15	32	9	20	-6	0.25	-0.36	0.16	1.62	57	30.72	82	95	75	0	7	4	0
OK OKLAHOMA CITY	46	26	59	22	36	-1	0.12	-0.16	0.12	2.31	170	36.16	108	90	54	0	6	1	0
TULSA	43	26	58	21	35	-2	0.11	-0.30	0.10	1.77	84	42.58	105	88	57	0	6	2	0
OR ASTORIA	49	39	55	33	44	3	2.05	-0.32	0.86	11.16	109	76.00	115	87	69	0	0	4	3
BURNS	30	15	43	3	23	-1	0.70	0.45	--	2.53	220	13.31	134	97	77	0	5	-	-
MEDFORD	49	31	58	21	40	3	1.42	0.71	0.87	7.75	241	23.62	126	92	31	0	5	4	1
PENDLETON	33	27	43	25	30	-3	0.58	0.22	0.33	1.78	113	17.17	143	93	75	0	7	3	0
PORTLAND	44	35	59	28	40	0	1.01	-0.36	0.37	5.99	101	43.48	120	79	56	0	2	4	0
SALEM	47	33	58	22	40	1	0.73	-0.77	0.43	6.48	98	48.38	124	97	74	0	4	4	0
PA ALLENTOWN	31	18	35	9	24	-4	0.00	-0.75	0.00	1.46	43	37.31	86	81	51	0	7	0	0
ERIE	28	22	33	20	25	-3	0.29	-0.43	0.10	2.43	69	34.59	84	92	66	0	7	4	0
HARRISBURG	33	23	39	16	28	-3	0.01	-0.68	0.01	2.53	78	35.81	88	76	52	0	7	1	0
PHILADELPHIA	34	24	39	21	29	-2	0.00	-0.80	0.00	2.15	61	31.54	69	72	51	0	7	0	0
PITTSBURGH	28	16	36	9	22	-7	0.19	-0.45	0.09	1.57	56	28.91	79	87	64	0	7	3	0
SCRANTON	28	17	34	10	22	-5	0.06	-0.46	0.04	1.28	52	29.52	82	85	60	0	7	3	0
RI PROVIDENCE	36	23	39	19	29	0	0.00	-0.96	0.00	2.17	51	38.22	84	76	49	0	7	0	0
SC CHARLESTON	50	26	66	22	38	-12	0.16	-0.60	0.16	1.02	34	49.63	97	75	37	0	7	1	0
COLUMBIA	47	20	57	18	34	-12	0.08	-0.81	0.08	1.94	56	54.78	110	83	35	0	7	1	0
FLORENCE	49	23	60	20	36	-9	0.03	-0.73	0.03	1.49	49	49.98	114	82	31	0	7	1	0
GREENVILLE	43	22	52	20	33	-8	0.01	-0.95	0.01	1.92	48	59.92	117	73	35	0	7	1	0
SD ABERDEEN	26	12	29	3	19	7	0.00	-0.11	0.00	0.19	39	24.14	115	91	76	0	7	0	0
HURON	31	15	36	10	23	8	0.00	-0.09	0.00	0.22	49	29.85	149	94	70	0	7	0	0
RAPID CITY	44	14	54	9	29	7	0.00	-0.11	0.00	0.13	28	19.54	117	84	39	0	7	0	0
SIOUX FALLS	31	15	38	11	23	8	0.00	-0.14	0.00	0.11	16	30.42	128	93	67	0	7	0	0
TN CHATTANOOGA	40	22	52	18	31	-8	0.00	-1.16	0.00	2.67	53	55.09	103	77	41	0	7	0	0
KNOXVILLE	37	22	50	18	29	-8	0.00	-1.03	0.00	1.94	44	42.42	90	75	49	0	7	0	0
MEMPHIS	40	26	49	18	33	-8	0.36	-0.83	0.36	2.74	49	56.22	108	79	50	0	7	1	0
NASHVILLE	39	22	53	19	30	-8	0.00	-0.99	0.00	1.87	42	48.51	103	84	49	0	7	0	0
TX ABILENE	54	30	62	21	42	-2	0.00	-0.22	0.00	0.23	23	23.14	95	85	37	0	4	0	0
AMARILLO	46	23	54	20	34	-1	0.05	-0.03	0.05	0.42	105	18.01	92	88	44	0	7	1	0
AUSTIN	56	38	65	31	47	-2	0.07	-0.33	0.07	0.49	27	33.70	106	84	49	0	2	1	0
BEAUMONT	54	36	63	29	45	-8	0.28	-0.82	0.28	9.22	199	63.96	112	92	53	0	2	1	0
BROWNSVILLE	58	50	74	44	54	-6	0.59	0.29	0.26	1.27	105	30.01	113	97	67	0	0	6	0
CORPUS CHRISTI	59	49	67	44	54	-2	0.01	-0.29	0.01	0.40	33	36.76	122	85	57	0	0	1	0
DEL RIO	59	38	66	33	48	-2	0.00	-0.25	0.00	0.74	70	17.74	97	83	48	0	0	0	0
EL PASO	55	30	60	26	43	0	0.00	-0.13	0.00	0.21	37	8.06	90	72	34	0	6	0	0
FORT WORTH	51	30	56	25	41	-2	0.12	-0.33	0.12	2.05	100	35.43	95	88	44	0	6	1	0
GALVESTON	54	45	64	38	49	-5	0.00	-0.79	0.00	5.57	163	39.06	93	82	56	0	0	0	0
HOUSTON	58	36	67	30	47	-4	0.41	-0.60	0.41	4.97	106	44.59	83	83	45	0	3	1	0
LUBBOCK	52	25	60	21	38	-1	0.00	-0.11	0.00	0.45	87	18.91	102	90	35	0	7	0	0
MIDLAND	56	27	64	22	41	-3	0.00	-0.11	0.00	0.27	57	10.95	72	86	33	0	6	0	0
SAN ANGELO	57	29	66	23	43	-1	0.01	-0.16	0.01	0.20	27	21.17	104	89	37	0	5	1	0
SAN ANTONIO	58	37	65	30	47	-3	0.08	-0.22	0.04	0.63	43	23.14	75	79	46	0	1	2	0
VICTORIA	58	41	65	36	49	-4	0.92	0.25	0.92	2.88	100	33.39	74	94	56	0	0	1	1
WACO	54	29	60	23	41	-5	0.08	-0.31	0.08	1.04	58	41.37	130	88	48	0	6	1	0
WICHITA FALLS	52	27	63	20	40	-1	0.02	-0.32	0.02	0.77	51	30.70	96	85	48	0	6	1	0
UT CEDAR CITY	42	14	53	7	28	-1	0.00	-0.14	0.00	0.28	42	11.84	103	88	37	0	7	0	0
SALT LAKE CITY	35	22	41	16	29	1	0.57	0.27	0.57	1.13	82	16.91	104	92	57	0	6	1	1
VT BURLINGTON	28	19	33	11	23	4	0.47	-0.01	0.27	2.62	111	32.24	94	93	72	0	7	5	0
VA NORFOLK	42	26	55	24	34	-8	0.00	-0.78	0.00	1.83	59	35.78	80	67	37	0	7	0	0
RICHMOND	42	20	55	17	31	-7	0.00	-0.74	0.00	1.50	47	34.20	79	73	35	0	7	0	0
ROANOKE	40	22	55	20	31	-5	0.00	-0.64	0.00	2.28	79	40.41	99	69	37	0	7	0	0
WA QUILLAYUTE	48	37	51	23	42	3	2.85	-0.60	1.05	13.30	89	103.86	99	98	80	0	3	5	2
SEATTLE-TACOMA	48	34	52	24	41	1	1.36	0.06	0.89	6.55	114	42.77	116	92	58	0	3	4	1
SPOKANE	29	19	34	10	24	-3	0.43	-0.10	0.23	2.61	112	22.00	134	93	82	0	7	2	0
YAKIMA	32	29	34	27	30	2	0.13	-0.20	0.12	0.85	62	13.85	174	91	86	0	7	2	0
WV BECKLEY	28	16	46	9	22	-9	0.17	-0.55	0.09	2.35	75	40.91	100	90	62	0	7	3	0
CHARLESTON	31	18	47	11	25	-10	0.10	-0.62	0.07	2.07	63	45.29	107	90	59	0	7	2	0
HUNTINGTON	32	18	48	11	25	-7	0.03	-0.73	0.02	2.57	75	42.18	98	89	57	0	7	2	0
PARKERSBURG	30	17	42	11	23	-9	0.04	-0.65	0.02	1.84	65	--	--	94	67	0	7	2	0
WI GREEN BAY	25	11	33	4	18	1	0.08	-0.22	0.07	1.16	78	30.37	105	84	67	0	7	2	0
LACROSSE	29	16	36	5	22	6	0.08	-0.17	--	0.73	61	30.16	99	89	63	0	7	-	-
MADISON	27	10	33	0	19	0	0.18	-0.15	0.18	0.77	48	33.61	105	85	66	0	7	1	0
MILWAUKEE	28	17	36	12	22	1	0.00	-0.48	0.00	0.44	19	31.28	95	83	63	0	7	0	0
WAUSAU	24	7	31	-5	15	1	0.03	-0.25	0.03	0.92	66	33.81	103	85	60	0	7	1	0
WY CASPER	38	17	42	12	28	6	0.04	-0.10	0.04	0.25	39	18.86	151	72	37	0	7	1	0
CHEYENNE	43	15	47	11	29	3	0.00	-0.08	0.00	0.00	0	19.81	138	85	25	0	7	0	0
LANDER	34	7	39	1	21	2	0.00	-0.11	0.00	0.10	18	19.40	149	83	44	0	7	0	0
SHERIDAN	45	15	51	7	30	9	0.00	-0.17	0.00	0.21	30	17.23	119	77	40	0	7	0	0
PR SAN JUAN	87	74	91	73	81	3	0.09	-0.83	0.08	3.85	84	55.65	107	89	59	1	0	2	0

Based on 1961-90 normals.

National Agricultural Summary

HIGHLIGHTS for December 25 - 31, 1995

Heavy rainfall in Florida over the New Year's weekend left fields muddy and brought central Florida's vegetable harvest to a standstill. Cucumbers and squash in southwestern Florida suffered major damage from freezing weather early in the week. Harvest of Florida's oranges for processing was active, and some tangerines and tangelos moved to processors due to low temperatures. Storms at week's end in the Pacific Northwest brought moisture to already saturated fields, causing some producers to ditch fields to remove excess water. The rains hampered fieldwork in California, but boosted small grain growth. More rain is needed in California's vegetable region. Dryland small grain fields in the Texas High Plains benefited from the recent snowfall, but more moisture is needed. Dry conditions and cool weather slowed small grain growth in central Texas.



International Weather and Crop Summary

December 24 - 30, 1995

HIGHLIGHTS

FSU-WESTERN: Unsettled weather covered dormant winter grains.

NORTHWESTERN AFRICA: Beneficial rain covered winter grains in Morocco, while light but below-normal precipitation continued over crops in Algeria and Tunisia.

EUROPE: Moderate to heavy rain accompanied a warming trend over the south, while colder weather accompanied light, scattered snow in the north.

SOUTH AFRICA: Unfavorable wetness lingered in the eastern corn belt and sugarcane areas until mid-week.

AUSTRALIA: Rain hampered fieldwork in Western Australia's wheat belt.

SOUTHEAST ASIA: Additional heavy rain fell across the southern Philippines and the Malay Peninsula.

EASTERN ASIA: Dry, cool weather prevailed over dormant winter wheat in the North China Plain.

SOUTH AMERICA: Widespread showers benefited soybeans in southern Brazil, following unfavorably dry planting weather. Warm, dry weather favored fieldwork across central Argentina, as rain benefited northern cotton.

December 1995

MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
****** = DATA NOT AVAILABLE***

COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	PRECIPITATION (MM) TOTAL	DPART F/NRM
NORWAY	OSLO	-8	-12	3	-25	-10	-4.3	11	-53
SWEDEN	STOCKHOLM	-3	-9	3	-20	-6	-4.9	11	-35
FINLND	HELSINKI	-5	-11	2	-29	-8	-4.0	20	-37
U KING	GLASGOW	3	-2	13	-20	1	-4.3	31	-87
	EDINBURGH	4	-1	13	-14	2	-2.3	39	-19
	BIRMINGHAM	4	0	12	-8	2	-2.5	70	4
	LONDON	5	1	13	-5	3	-2.5	103	25
IRELND	DUBLIN	7	3	14	-7	5	-1.2	70	-6
ICELND	REYKJAVIK	1	-2	10	-13	0	-0.1	112	33
DENMRK	COPENHAGEN	0	-4	5	-16	-2	-4.2	9	-40
LUXEMB	LUXEMBOURG	2	-2	10	-10	0	-1.2	54	-26
SWITZL	ZURICH	1	-1	13	-8	0	-0.6	136	59
	GENEVA	4	1	13	-4	3	0.7	103	16
FRANCE	PARIS/ORLY	6	2	13	-7	4	***	36	**
	STRASBOURG	3	-1	13	-8	1	-0.8	26	-16
	BOURGES	7	2	14	-4	4	0.5	101	39
	BORDEAUX	11	5	17	-4	8	2.2	204	106
	TOULOUSE	11	4	17	-5	8	2.0	72	17
	MARSEILLE	12	6	17	0	9	1.9	105	50
SPAIN	VALLADOLID	10	4	15	-4	7	2.6	94	53
	MADRID	11	5	16	-2	8	2.6	88	42
	SEVILLE	17	11	20	6	14	3.1	212	128
PORTUG	LISBON	16	11	18	4	13	1.8	298	194
GERMNY	HAMBURG	-1	-4	9	-14	-3	-4.4	20	-52
	BERLIN	-1	-4	10	-14	-3	-4.0	30	-24
	DUSSELDORF	2	-2	11	-13	0	-2.9	51	-7
	LEIPZIG	-1	-3	12	-10	-2	-3.3	20	-17
	DRESDEN	-1	-4	11	-12	-2	-2.7	30	-7
	STUTTGART	1	-2	13	-9	0	-1.0	33	-14
	NURNBERG	1	-2	12	-13	-1	-1.3	41	-12
AUSTRI	VIENNA	0	-2	12	-16	-1	-1.5	54	17
	INNSBRUCK	3	-4	11	-14	0	0.7	57	6
CZECH	PRAGUE	-1	-4	10	-17	-3	-2.4	33	9
POLAND	WARSAW	-3	-8	5	-21	-6	-4.8	13	-20
	LODZ	-3	-8	5	-19	-5	-4.2	20	-22
	KATOWICE	-2	-6	7	-20	-4	-2.7	38	-6
	PRZEMYSL	-3	-7	9	-20	-5	-4.0	39	-1
HUNGAR	BUDAPEST	1	-2	7	-11	0	-0.5	47	7
F YUGO	BELGRADE	5	1	20	-5	3	0.5	62	4
ROMANI	BUCHAREST	1	-4	12	-13	-2	-2.2	49	3
BULGAR	SOFIA	5	-1	20	-10	2	1.5	52	2
ITALY	MILAN	7	3	13	-1	5	3.1	47	-9
	VERONA	7	2	13	-3	4	1.3	149	98
	VENICE	9	3	13	-2	6	2.7	77	27
	GENOA	11	7	17	1	9	-0.2	69	-38
	ROME	15	8	18	1	11	1.9	91	1
	NAPLES	16	10	20	4	13	3.7	168	51
GREECE	THESSALONIKA	11	6	23	-2	9	2.0	132	76
	LARISSA	12	7	23	-2	9	3.1	80	25
	ATHENS	15	10	18	3	13	0.5	55	-11
TURKEY	ISTANBUL	10	6	16	0	8	0.2	75	-16
	ANKARA	5	-2	16	-14	1	-0.2	24	-5
CYPRUS	LARNACA	18	8	20	4	13	-1.0	9	-94
ESTONI	TALLINN	-3	-7	4	-20	-5	-2.4	42	-12
FSU	ST.PETERSBRG	-6	-11	3	-21	-8	-3.8	16	-30
LITHUA	KAUNAS	-5	-9	2	-25	-7	-4.8	30	-15
FSU	MINSK	-6	-11	3	-22	-8	-4.1	34	-15
	KAZAN	-10	-15	2	-31	-12	-3.2	38	1
	MOSCOW	-8	-12	2	-22	-10	-3.8	36	-15
	YEKATERINBURG	-11	-15	3	-28	-13	-2.6	62	40
	OMSK	-10	-16	2	-31	-13	1.0	70	49
	KUSTANAY	-10	-18	1	-31	-14	-1.1	55	35
	NOVOSIBIRSK	-9	-14	2	-29	-12	4.6	25	2
	BARNAUL	-8	-14	3	-29	-11	2.6	32	4
	KHABAROVSK	-11	-18	0	-28	-14	3.4	10	-9
	VLADIVOSTOK	-5	-10	2	-16	-7	2.1	13	-2
	KIEV	-4	-7	10	-18	-5	-3.3	27	-18
	LVOV	-3	-8	9	-22	-5	-3.4	49	-3
	KIROVOGRAD	-4	-8	6	-23	-6	-3.5	37	-1
	ODESSA	1	-4	12	-11	-2	-3.0	37	-12

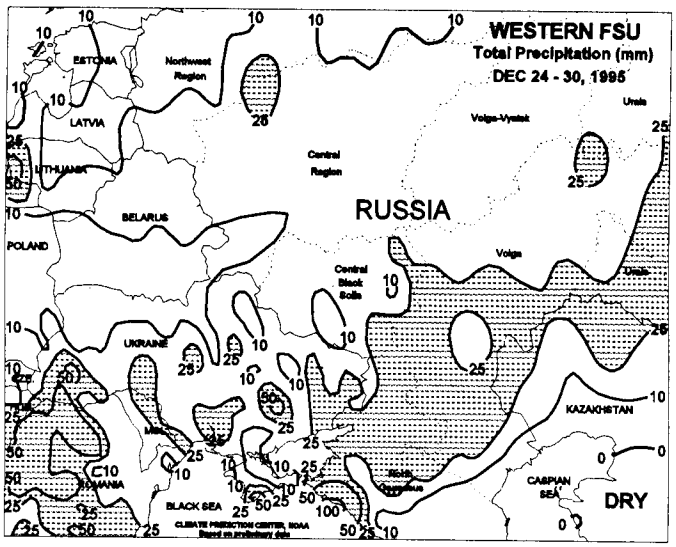
Based on Preliminary Reports

December 1995

COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	PRECIPITATION (MM) TOTAL	DPART F/NRM
FSU	YALTA	7	3	18	-5	5	-1.4	99	19
	SARATOV	-6	-11	3	-18	-9	-1.1	46	14
	KHARKOV	-5	-8	3	-22	-6	-3.3	39	-6
	VOLGOGRAD	-4	-8	10	-21	-6	-1.0	64	19
	ROSTOV	0	-5	12	-14	-3	-1.4	72	-1
	ASTRAKHAN	1	-6	14	-18	-3	-0.4	7	-7
	KRASNODAR	3	-3	16	-16	0	-1.9	72	-3
	ORENBURG	-9	-16	3	-27	-12	-3.1	70	38
	TSELINOGRAD	-10	-16	2	-33	-13	1.9	26	16
	KARAGANDA	-9	-15	5	-30	-12	-1.1	19	-1
	TBILISI	**	***	18	-6	**	***	13	-13
	TASHKENT	8	-2	18	-9	3	-0.1	33	-18
	ASHKHABAD	10	-1	21	-8	4	-0.1	4	-20
SYRIA	DAMASCUS	15	1	27	-5	8	0.2	10	-41
ISRAEL	JERUSALEM	**	**	**	**	**	***	**	**
PAKIST	KARACHI	28	14	29	6	21	1.3	0	-4
INDIA	AMRITSAR	21	6	25	3	13	0.5	2	-15
	NEW DELHI	23	9	26	5	16	0.5	0	-10
	AHMEDABAD	30	15	33	12	22	0.7	5	3
	INDORE	29	12	31	9	20	1.5	1	-9
	CALCUTTA	27	14	29	12	21	0.2	0	-3
	VERAVAL	30	18	33	15	24	1.0	0	0
	BOMBAY	33	18	34	16	25	0.3	0	-1
	POONA	30	12	31	9	21	0.4	0	-7
	BEGAMPET	29	16	31	14	22	1.0	0	-7
	VISHAKHAPATNAM	28	21	29	20	25	***	1	**
	MADRAS	29	21	30	19	25	0.2	18	-140
	MANGALORE	34	20	36	17	27	0.4	25	7
H KONG	KINGS PEAK	21	14	24	11	18	***	10	**
N KREA	PYONGYANG	0	-11	6	-18	-5	-0.8	2	-21
S KREA	SEOUL	3	-4	7	-10	-1	0.6	4	-28
JAPAN	SAPPORO	3	-3	8	-8	0	1.2	184	84
	NAGOYA	10	1	14	-3	6	-0.5	4	-37
	TOKYO	12	4	17	-1	8	0.1	0	-46
	YOKOHAMA	12	4	17	-1	8	0.4	2	-57
	KYOTO	10	2	14	-1	6	-0.4	22	-23
	OSAKA	11	4	15	0	7	-0.5	13	-21
THAILN	PHETCHABUN	31	17	35	10	24	0.9	0	0
	BANGKOK	31	22	37	17	27	0.7	0	-12
MALAYS	KUALA LUMPUR	31	24	34	22	27	1.4	356	125
VIETNM	HANOI	22	16	28	10	19	0.6	2	-18
CHINA	HARBIN	-8	-17	-2	-25	-12	5.2	2	-3
	HAMI	-3	-16	5	-23	-9	-2.2	5	4
	LANCHOW	3	-7	7	-10	-2	2.2	0	-1
	BEIJING	4	-4	10	-9	0	2.0	2	0
	TIENTSIN	5	-5	8	-10	0	1.0	0	-4
	LHASA	10	-6	18	-10	2	2.6	0	0
	KUNMING	16	5	19	0	10	1.9	0	-17
	CHENGCHOW	8	-2	14	-8	3	2.1	0	-9
	YEHCHANG	11	5	19	-2	8	0.8	2	-19
	HANKOW	11	4	15	-3	7	2.1	6	-21
	CHUNGKING	11	8	15	3	10	***	36	**
	CHIHKIANG	11	4	18	-4	8	0.2	8	-26
	WU HU	10	1	15	-5	5	***	6	**
	SHANGHAI	10	3	16	-2	6	***	14	**
	NANCHANG	12	5	17	1	8	0.6	12	-29
	TAIPEI	18	15	26	9	17	-0.4	25	-49
	CANTON	20	12	25	8	16	1.2	5	-21
	NANNING	20	12	25	5	16	0.6	3	-20
CNRY I	LAS PALMAS	23	17	28	14	20	1.8	66	43
MOROCC	CASABLANCA	20	13	23	9	16	3.3	91	9
	MARRAKECH	19	10	23	5	14	2.3	49	24
ALGERI	ALGER	20	10	24	4	15	3.1	39	-69
	BATNA	14	4	21	-2	9	3.1	23	-8
TUNISI	TUNIS	19	11	24	8	15	2.5	28	-36
NIGER	NIAMEY	35	19	37	13	27	1.9	0	0
MALI	TIMBUKTU	30	17	34	10	24	2.0	0	0
	BAMAKO	32	19	36	15	26	0.9	0	0
MAURIT	NOUAKCHOTT	28	17	35	13	23	0.5	70	70
SENEGL	DAKAR	28	21	36	16	24	1.6	19	19
CHAG A	DIEGO GARCIA	30	26	32	24	28	1.1	341	76
LIBYA	TRIPOLI	20	10	24	5	15	1.8	18	-27
	BENGHAZI	18	12	22	9	15	0.9	40	-27
EGYPT	CAIRO	20	10	24	7	15	-0.4	0	-7
	ASWAN	24	10	29	3	17	-0.3	0	0

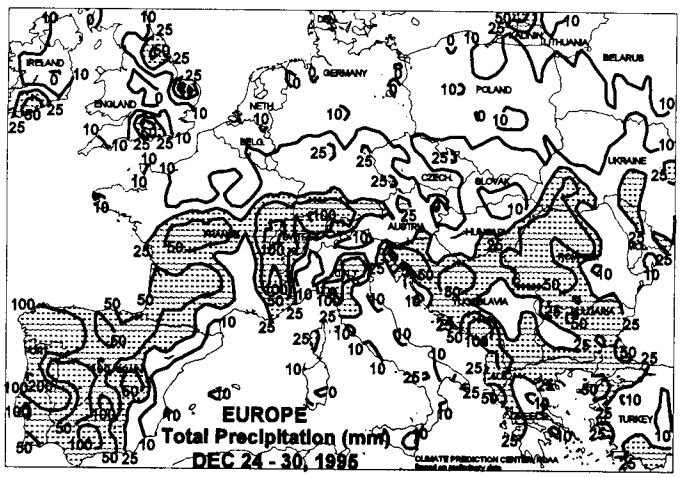
COUNTRY	CITY	TEMPERATURE (C) AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	PRECIPITATION (MM) TOTAL	DPART F/NRM
ETHIOP	ADDIS ABABA	24	8	28	5	16	0.4	29	11
KENYA	NAIROBI	26	14	28	10	20	0.7	27	-51
TANZAN	DAR ES SALAAM	32	23	34	20	28	0.1	65	-38
GABON	LIBREVILLE	**	**	30	22	**	***	**	**
TOGO	LOME	33	24	34	19	29	1.7	1	-8
B FASO	OUAGADOUGOU	35	19	38	15	27	2.0	0	0
IVRY C	ABIDJAN	32	25	33	20	28	1.3	128	51
MOZAMB	MAPUTO	29	21	39	18	25	-0.3	81	4
ZAMBIA	LUSAKA	**	**	30	11	**	***	105	-45
ZIMBAB	HARARE	25	16	29	14	21	0.4	205	36
S AFRI	PRETORIA	27	16	34	8	21	-0.5	187	81
	JOHANNESBURG	23	12	27	5	18	-1.4	216	112
	BETHAL	23	12	27	4	18	-1.6	239	114
	DURBAN	25	19	29	14	22	-1.3	223	120
	CAPE TOWN	26	16	32	11	21	1.5	34	15
CANADA	TORONTO	-2	-8	5	-17	-5	-1.8	30	-36
	MONTREAL	-5	-13	3	-21	-9	-1.8	63	-23
	WINNIPEG	-12	-21	0	-37	-16	-1.9	19	1
	REGINA	-12	-20	3	-34	-16	-2.3	26	11
	SASKATOON	-12	-21	-1	-35	-17	-1.9	23	6
	LETHBRIDGE	-2	-17	9	-34	-10	-3.0	15	-5
	CALGARY	-5	-17	8	-32	-11	-2.6	24	10
	EDMONTON	-8	-17	9	-31	-12	-2.0	3	-20
	VANCOUVER	7	2	12	-7	5	1.3	221	42
MEXICO	GUADALAJARA	**	**	29	5	**	***	9	-8
	MEXICO CITY	**	**	25	6	**	***	13	-4
	ACAPULCO	32	22	34	19	27	0.6	83	80
BERMUD	ST. GEORGES	19	16	22	12	18	-1.5	98	-18
BAHAMA	NASSAU	25	19	28	11	22	0.2	12	-44
JAMAIC	KINGSTON	32	25	34	24	28	2.1	12	-23
P RICO	SAN JUAN	30	23	33	22	27	1.0	98	-22
GUADEL	RAIZET	30	22	31	20	26	1.5	151	57
MARINQ	LAMENTIN	30	23	32	21	26	1.6	67	-105
BARBAD	BRIDGETOWN	30	24	31	22	27	1.2	38	-66
TRINID	PORT OF SPAIN	32	22	33	21	27	1.9	24	-111
COLOMB	BOGOTA	19	6	21	-2	13	-0.2	84	38
VENEZU	CARACAS	31	23	33	18	27	1.5	3	-44
F GUIA	CAYENNE	31	23	32	20	27	0.8	181	-181
BRAZIL	FORTALEZA	30	**	31	23	**	***	26	-42
	RECIFE	29	23	30	21	**	***	5	-55
	BELO HORIZONTE	**	**	32	-9	**	***	538	221
	CAMPO GRANDE	30	21	34	18	26	0.6	187	-32
	FRANCA	27	18	30	15	23	4.0	292	16
	LONDRINA	**	**	35	16	**	***	**	**
	SANTA MARIA	**	**	39	12	**	***	33	-100
	PORTO ALEGRE	30	19	38	10	24	0.8	52	-36
PERU	LIMA	24	18	26	16	21	-0.4	0	0
BOLIVI	LA PAZ	14	3	17	-4	9	-0.9	87	-14
CHILE	SANTIAGO	29	12	34	8	20	0.5	0	-3
ARGENT	IGUAZU	33	20	37	15	26	***	138	**
	FORMOSA	35	21	41	17	28	1.5	63	-82
	CERES	31	18	37	11	24	-0.3	47	-83
	CORDOBA	32	18	39	13	25	2.0	60	-84
	RIO CUARTO	31	18	38	9	25	2.5	67	-75
	ROSARIO	32	18	40	10	25	2.1	35	-88
	BUENOS AIRES	30	17	40	6	23	1.5	90	-3
	SANTA ROSA	34	17	41	7	26	3.3	46	-39
	TRES ARROYOS	29	14	35	7	21	1.6	59	-36
N CALD	NOUMEA	30	23	33	21	27	1.8	78	6
FIJI	NAUSORI	30	22	34	20	26	1.1	119	-144
SAMOA	PAGO PAGO	32	25	34	23	29	1.3	57	-307
TAHITI	PAPEETE	30	24	31	22	27	0.3	540	241
PA N G	PORT MORESBY	31	24	33	23	27	-0.4	56	-71
AUSTRL	DARWIN	31	26	35	24	29	-0.6	215	-18
	BRISBANE	27	19	33	16	23	-1.5	271	125
	PERTH	27	16	32	12	22	-0.3	2	-7
	CEDUNA	26	14	39	7	20	-0.7	9	-8
	ADELAIDE	24	13	33	8	19	-1.4	30	5
	MELBOURNE	18	10	30	5	14	-3.9	26	-24
	WAGGA	26	12	36	6	19	-2.7	35	-15
	CANBERRA	23	10	32	5	17	-2.1	65	12
INDONE	DJAKARTA	31	24	34	21	28	1.1	133	**
PHILIP	MANILA	29	24	31	20	26	0.0	148	77

Based on Preliminary Reports



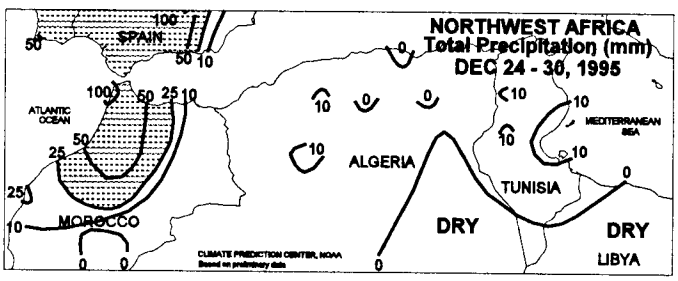
FSU-WESTERN

Unsettled weather covered dormant winter grains as a series of storms from Europe moved across the region. The storms ushered in bitter cold air over northern Russia (Central Region, Volga Vyatsk, central Black Soils Region, and the upper Volga Valley), Belarus, and the Baltics, where extreme minimum temperatures for the week ranged from -15 to -30 degrees Celsius (C). However, light snow accompanied the bitter cold in these areas, providing a fresh protective snow cover for winter grains. Farther south, mixed precipitation (10-25 mm, with local amounts in excess of 40 mm) covered Ukraine. The precipitation changed to all snow by midweek, increasing snow cover. In southern Russia (North Caucasus and lower Volga Valley), moderate to heavy rain (25-50 mm) early in the week boosted moisture reserves. In addition, unusually mild weather prevailed over these areas, with weekly temperatures averaging 4 to 8 degrees C above normal. By week's end, however, sub-freezing temperatures accompanied by light to moderate snow spread over southern Russia.



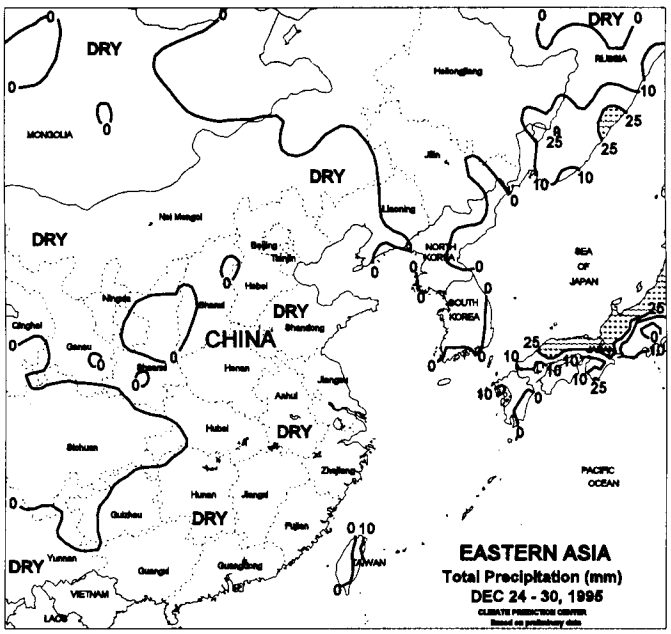
EUROPE

A series of storms moved eastward over the Mediterranean, producing moderate to heavy rain over southern Europe. Precipitation amounts ranged from 25 to 75 mm, with higher amounts in excess of 100 mm over Spain and southern France, and eastward through northern Italy into southeastern Europe (former Yugoslavia, Romania, Bulgaria, and Greece). In addition, a pronounced warming trend accompanied the rain over southeastern Europe, causing rapid snow melt, resulting in local flooding. Farther north, lesser amounts of precipitation (5-25 mm) fell from England and northern France, eastward across northern Europe. The precipitation fell mostly as rain early in the week, before turning to light snow showers for the remainder of the week as colder air moved westward over the region. By week's end, nighttime lows ranged from -8 to -22 degrees C from Germany eastward to Poland. While reports indicated the cold may have caused some damage to winter rapeseed, it had minimal impact on wheat and rye.



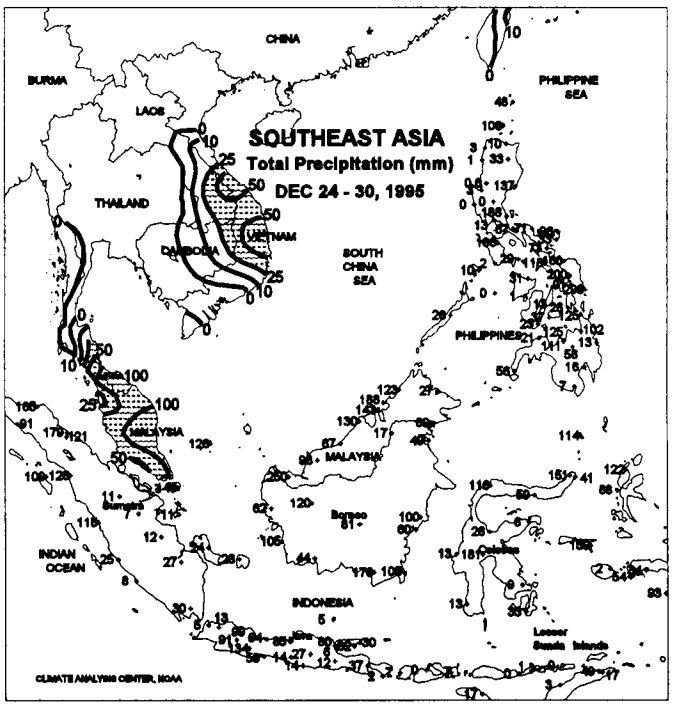
NORTHWESTERN AFRICA

Widespread significant rain (14-32 mm) fell over Morocco, benefiting winter grain emergence and establishment. Lesser amounts of rain (4-10 mm) fell over Algeria and Tunisia, moistening topsoils. Although this past week's rain over Morocco significantly improved moisture conditions for crop growth, rainfall in recent weeks over Algeria and Tunisia has been running below normal. As a result, rain is needed soon in these areas to prevent a decline in crop conditions. Furthermore, weekly average temperatures were 4 to 8 degrees C above normal over northwestern Africa, increasing crop-water demands.



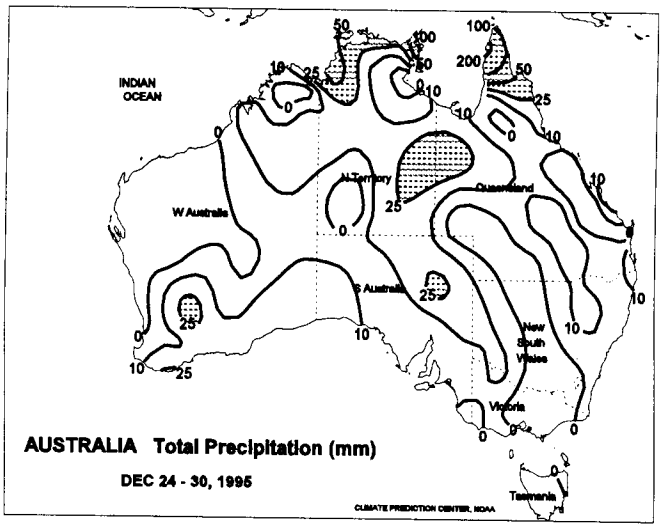
EASTERN ASIA

Seasonably dry weather continued across the North China Plain, where winter wheat is dormant. Dryness prevailed across the Yangtze Valley, where rainfall has been below normal. December rainfall usually averages 25 to 50 mm across the valley.



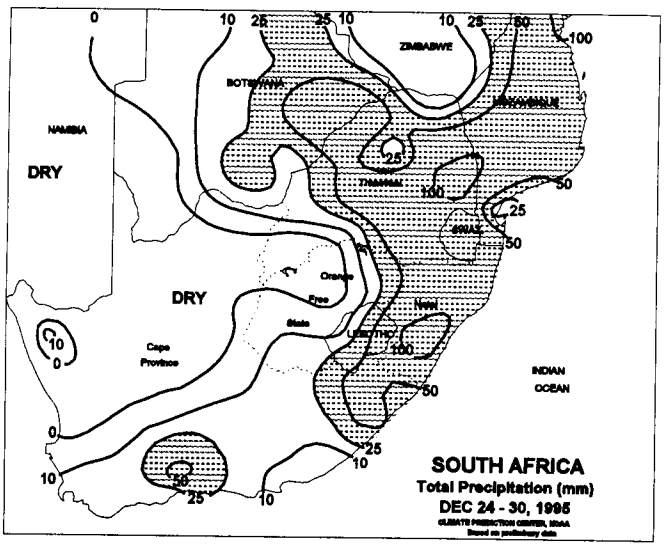
SOUTHEAST ASIA

Seasonably heavy showers (60-180 mm) fell across the copra and rice areas of southern Luzon, exacerbating flooding. Tropical Storm Dan, which passed just to the east of Samar Island, helped to produce very heavy showers (150-300 mm) and flooding across the island. However, Samar is not a major agricultural region. Elsewhere in the Philippines, moderate showers (15-50 mm) favored secondary crops. In Vietnam, moderate rain (30-70 mm) continued across the central rice areas, boosting irrigation supplies. Seasonably dry weather in Thailand aided rice and sugarcane harvesting. Heavy showers (75-150 mm) exacerbated flooding across the eastern oil palm areas of the Malay Peninsula. Seasonable showers (15-100 mm) maintained adequate rice irrigation supplies across Java.



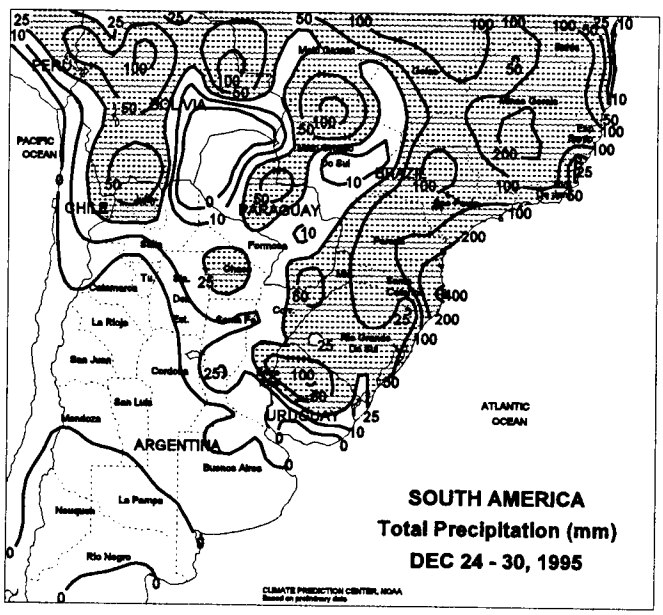
AUSTRALIA

Moderate showers (10-25 mm) slowed fieldwork in Western Australia's winter wheat belt. Dry weather continued in most eastern and southern winter grain areas. However, on the 31st, rain was pushing through the southeast (*additional information will be provided in next week's summary*). A portion of the winter wheat crop reportedly remains unharvested and could experience some reduction in quality. In the main summer crop zones (southern Queensland and northern New South Wales), rainfall was generally light (15 mm or less) for the period ending December 30. However, the late-period storm system moving through the east was bringing additional rain to the main pasture areas as well as most sorghum and cotton areas. In New Zealand, rainfall was light (25 mm or less) in the main pasture lands.



SOUTH AFRICA

Moderate to heavy rain (25-50 mm, exceeding 100 mm locally) continued early in the week from the eastern corn belt to the east coast. The additional rain kept local crop areas water-logged and exacerbated river flooding. Warmer, drier weather since the 26th brought some relief to the eastern crop areas and dried topsoils in the western corn belt, which received no rain for the week. Moisture reserves should be adequate for crop establishment in the western corn belt due to rainfall in recent weeks. Elsewhere, moderate rain (10-22 mm) fell in winter wheat areas of Western Cape Province, but harvesting should be completed.



SOUTH AMERICA

In southern Brazil, widespread showers (25-70 mm) covered northwestern Rio Grande do Sul, western Santa Catarina, and western Parana, boosting topsoil moisture for late soybean planting and germinating to vegetative summer crops. However, due to the extended dry period in that region, periodic rains are needed to ensure adequate crop development for the rest of the growing season. Other areas of southern Brazil received moderate to heavy showers (40-100 mm), keeping soils moist for summer crops, sugarcane, citrus, and coffee. Only southern Mato Grosso do Sul reported less than 25 mm of rain. Excessive showers (150-300 mm) caused flooding across central Minas Gerais. In central Argentina, dry weather allowed summer crop planting to continue after last week's beneficial rain and favored winter wheat harvesting. However, hot weather (maximum temperatures ranging from 35 to 39 degrees C) across Cordoba and La Pampa reduced soil moisture for sorghum and reproductive corn. Light to moderate rain (15-40 mm) aided cotton across northern Argentina, which had been trending dry. In southern Paraguay, light to moderate rain (10-30 mm) helped soybeans and cotton.

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U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service/Climate Prediction Center
Managing Editor ..... ***Douglas Le Comte*** (202) 720-7919
Editor ..... ***Brad Rippey*** (202) 720-1444
Meteorologists ..... ***David Secora, Jeff Savadel, Brian Morris***
Subscriptions ..... ***Joyce Houston*** (202) 720-7917
fax (202) 720-1455

U.S. DEPARTMENT OF AGRICULTURE
Economic Research Service
E.R.S. Editor ..... ***Sharon Lee***
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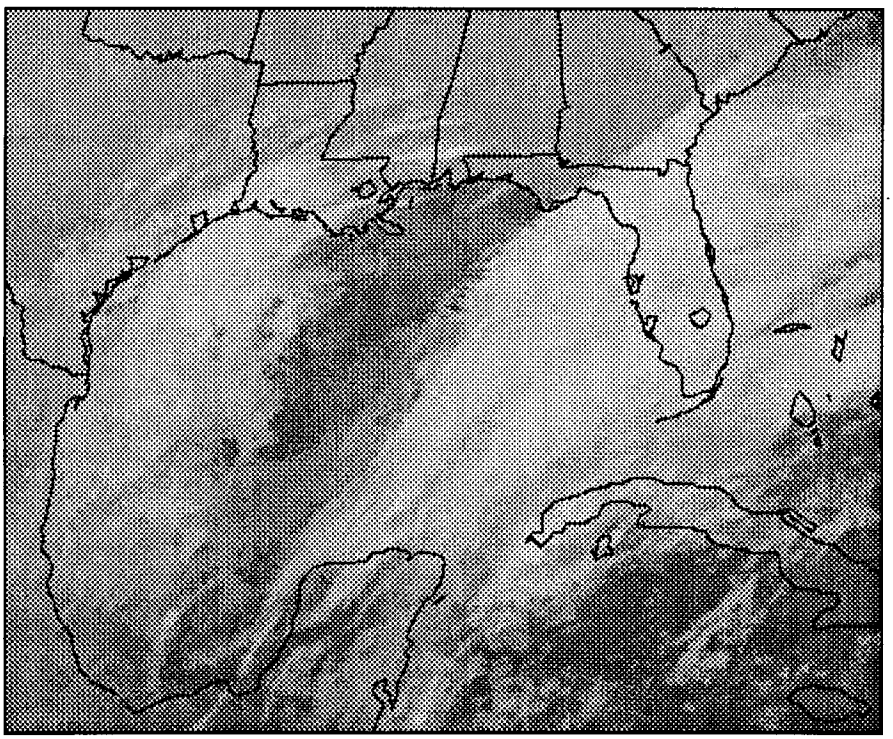
(Continued from front cover)
January 1978. Snowfall pushed the season-to-date total to 60.0 inches (179 percent of normal) in **Erie, PA**, eclipsing their 1994-95 seasonal total (53.7 inches).

Farther south, minimum temperatures fell below 30°F on 10 consecutive days (December 21-30) in **Wilmington, NC**, the first such occurrence since December 1989. In **southern Florida**, Christmas-morning temperatures dipped below freezing as far south as **Immokalee** (29°F) and **Belle Glade** (31°F). Northernmost winter crop regions logged readings at or below freezing, including 26°F in **Plant City**. Damage to **central Florida's** citrus was generally minor, but some ground crops, including cucumbers and squash, incurred damage. Near- to below-freezing temperatures struck again on December 26, but averaged about 3°F higher than the previous morning.

Temperatures in **Miami, FL** failed to reach 65°F on an all-time record 8 consecutive days (December 21-28), eclipsing the former mark of 6 days, set in February 1958. Elsewhere across the **South, Charleston, SC** (22°F) and **Jackson, MS** (18°F) notched daily-record lows on Friday. In contrast, weekly temperatures averaged 7 to 17°F above normal in much of **Alaska**, including a daily-record high of 45°F in **Yakutat** on Tuesday.

Precipitation returned to the **Northwest** after midweek, including a daily-record rainfall of 2.81 inches in **Eureka, CA** on Friday. Despite the return of some precipitation to **California**, the water equivalent of the **Sierra Nevada** snowpack slipped to about 40 percent of normal at year's end. Heavy snow spread into **Utah's Wasatch Range** on Friday, where Alta's 3-day total reached 28 inches. Farther east, a weak storm--the last in a series of southern-branch systems--sparked showers from **eastern Texas** to **western Tennessee**. By Sunday morning (December 31), 24-hour rainfall reached 1.98 inches in **El Dorado, AR** and 2.45 inches in **Memphis, TN**.



GOES-8 IR, December 28, 1995
Cloudiness associated with southern-stream energy cloaks Peninsular Florida, ending the threat of freezing temperatures, but holding maxima well below normal. The cloud shield produced little rain, however, ensuring a second consecutive dry month across central and southern Florida. December totals were as low as 0.23 inches in Miami Beach and 0.58 inches in Lakeland.

NOAA/USDA Joint Agricultural Weather Facility
USDA South Building, Room 5844
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